



# Rabbit Anti-Arabidopsis thaliana Cat1 Polyclonal Antibody (CABT-Z850R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	KLH-conjugated synthetic peptide of catalase 1 derived from Arabidopsis thaliana At1g20630.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Arabidopsis thaliana
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB Recommended dilution: WB: 1:1000-1:2000
<b>Molecular Weight</b>	57 kDa
<b>Reconstitution</b>	Reconstitution with 150 µl of sterile water.
<b>Format</b>	Lyophilized
<b>Size</b>	150 µg
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 1 month, 2 to 8 °C under sterile conditions after reconstitution.
<b>Ship</b>	Wet ice

# BACKGROUND

Introduction	Catalase is a tetrameric iron porphyrin that catalyses the dismutation of H2O2 to water and oxygen. The Arabidopsis genome encodes three catalase subunits, CAT1 (At1g20630), CAT2 (At4g35090), and CAT3 (At1g20620). These three individual subunits associate to form at least six catalase isoforms.
Keywords	Cat1;Catalase 1

# GENE INFORMATION

Gene Name	CAT1
Entrez Gene ID	<a href="#">838652</a>
UniProt ID	<a href="#">Q96528</a>